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(54) Title: A DIGITAL CUT-OFF CONTROL LOOP FOR TV USING SPEEDING AND BLANKING CIRCUITS

(57) Abstract

An improved digital cut-off control loop for black level adjustment in a video processor for controlling RGB output signals. The improved circuit advantageously provides a higher resolution of the black level adjustment, and a short cut-off convergence time when the TV set is switched on. The improved circuit can also blank the RGB output when the cut-off control loop has not converged to the correct level.

